BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka Division

Work Slip: As per Std Tender Documents

of Work: Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Package-03)

ate Amount:- 3,00,00,000/-

s of Contractor:- M.S. Venkatesh (MSV Constrution Company)

oved amount:- 31212032/-

der premium:- 4.99% Above

Description of Work	Unit	Qty as per Quoted Rate			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	excess amount	Savings amount	Remarks
		Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount				
2	3	4	5	6	10	11	12	13	14	15	16	17	18	19	20
8 KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications.	Cum	1026.30	145.79	149624.28	2012.29	1282.88	145.79	187030.35	729.41	145.79	106340.87	293371.22	143746.94	0.00	
13 KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	513.20	2101.14	1078305.05	1592.08	641.50	2101.14	1347881.31	950.58	2101.14	1997301.14	3345182.45	2266877.40	0.00	
14 KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502 Complete with all lead and lift and as per the direction of the Engineer-in-Charge	Sqm	3401.00	37.84	128693.84	7075.91	4251.25	37.84	160867.30	2824.66	37.84	106885.13	267752.43	139058.59	0.00	
15 KSRRB M500-11. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	171.90	6550.49	1126029.23	353.80	214.88	6550.49	1407536.54	138.92	6550.49	909997.35	2317533.89	1191504.66	0.00	

@ 220kgs, with 40mm and down size graded granite metal coarse aggregates @

@0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms.

	on of Work	Unit	Qty as per Quoted Rate			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	excess amount	Savings amount	Rem
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount				
	2	3	4	5	6	10	11	12	13	14	15	16	17	18	19	20
	RB 500-7. Providing and applying tack coat using 100 grade bitumen(VG10) on the prepared black pped surfaces at 2.5 kg per 10 sqm, heating bitumen boiler fitted with spray set (excluding cleaning of oad surface) including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm	6527.00	15.58	101690.66	7075.91	7075.91	15.58	110242.68	0.00	15.58	0.00	110242.68	8552.02	0.00	
17	KSRRB M500- 19. Providing, laying bituminousConcrete using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II(30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and filler , transporting the hot mix to work site , laying to the required grade,level and alignment, rolling with wheeled , vibratory and tandeem rollers to achieve the desired compaction as per MORTH Table-500.9 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.509 Complete with all lead and lift and as per the direction of the Engineer-in-Charge.	Cum	261.10	8656.09	2260105.10	283.04	283.04	8656.09	2449988.55	0.00	8656.09	0.00	2449988.55	189883.45	0.00	
18	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	283.00	477.43	135112.69	296.75	296.75	477.43	141677.35	0.00	477.43	0.00	141677.35	6564.66	0.00	
	Grand total													3946187.73		

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/ Approved Amount x 100

Approved Amount =	27867835.64
Excess Amount =	3946187.73
Savings Amount =	4187174.18

$$\text{Percentage of Worslip} = \frac{\text{Excess Amount}}{\text{Approved Amount}} \times 100$$

Percentage of Worslip =	14.16 %

Contractor

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಿಭಾಗ
Executive Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ. Bangalore - 560064

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

@ 220kgs, with 40mm and down size graded granite metal
@0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms.

BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Division

ne of Work:Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Pack

EIRL

imate Amount:- Rs 3,00,00,000/-
pproved Amount:- Rs 31212032/-
ame of Contractor:- M.S. Venkatesh (MSV Constrution Company)
ender premium:- 4.99% Above

Sl. No.	Description of Work	Unit	Quantity	Rate	Amount in Rupees	Whether item alternate to item in the tender or whether they are additional item (if, in lieu of the same item in the accepted tender such items should be mentioned.	Whether the extra item is included in the sanctioned estimate.	How the extra cost of the item is proposed to be met	Whether the extra item is included in the Schedule of rates of the division, if not, data sheet should accompany the rate list.	Rema
1	2	3	4	5	6	7	8	9	10	11
E1	Providing & laying precast drain cover slab of 250 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge	Sqm	41.58	5688.36	236521.93	ADDITIONAL ITEM	No		Data Rate	
			TOTAL ERIL AMOUNT		236521.93					

Note: Percentage of Extra item over the sanctioned Estimate=Extra item amount over the approved amount/Amount Put to tender x 100

Total cost as per Approved Amount, Rs =	27867835.64
Total cost of EIRL Amount, Rs=	236521.93
Percentage of Worslip =	EIRL Amount / Approved Amount X 100
% of EIRL =	0.85

Contractor

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪವಲಯ ಉಪವಿಭಾಗ.
ಜ.ಜ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Executive Engineer
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಿಭಾಗ
ಜ.ಜ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು - 560064

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ.

1 |@ 220kgs, with 40mm and ...
@0.465cum machine mixed, machine mixed, concrete ...

BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka Division

Comparitive Statement

Name of Work: Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Packa

Estimate Amount:- 3,00,00,000/-

Name of Contractor:- M.S. Venkatesh (MSV Constrution Company)

Approved amount:- 31212032/-

Tender premium:- 4.99% Above

Sl. No.	Description of Work	Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference	
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings
1	2	3	7	8	9	10	11	12	13	14	15	16	10	17	18	19
1	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil involving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification	Cum	2799.36	244.84	685395.30	2437.90	2437.90	244.84	596895.93	0.00	244.84	0.00	2437.90	596895.93	0.00	88499.37
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	466.56	5780.37	2696889.43	406.32	406.32	5780.37	2348662.60	0.00	5780.37	0.00	406.32	2348662.60	0.00	348226.83
3	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum, with superplasticiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness). including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cill, fillet etc. including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.	Cum	942.12	6297.87	5933349.28	796.92	796.92	6297.87	5018898.56	0.00	6297.87	0.00	796.92	5018898.56	0.00	914450.72
4	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications	Sqm	7776.00	398.42	3098113.92	6262.80	6262.80	398.42	2495224.78	0.00	398.42	0.00	6262.80	2495224.78	0.00	602889.14
5	KSRB 4.9.2 : Providing T.M.T Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured & paid) cost of materials, labour, HOM of machinery complete as per specifications.	Tn	56.53	78977.64	4464605.99	48.25	48.25	78977.64	3810671.13	0.00	78977.64	0.00	48.25	3810671.13	0.00	653934.86
6	Providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.	Sqm	2327.40	2199.54	5119209.40	1747.80	1747.80	2199.54	3844356.01	0.00	2199.54	0.00	1747.80	3844356.01	0.00	1274853.39
7	KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications.	Cum	139.40	159.23	22196.66	89.66	89.66	159.23	14276.16	0.00	159.23	0.00	89.66	14276.16	0.00	7920.50

ription of Work	Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference	
		Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings
2	3	7	8	9	10	11	12	13	14	15	16	16	17	18	19
SRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications.	Cum	1026.30	145.79	149624.28	2012.29	1282.88	145.79	187030.35	729.41	145.79	106340.87	2012.29	293371.22	143746.94	0.00
9 KSRRB M600-1. Construction of dry lean cement concrete mix CC1.5:10 with OPC cement @160Kgs, with 25mm and down sizegraded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub-base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications.	Cum	69.90	3989.72	278881.43	53.79	53.79	3989.72	214624.99	0.00	3989.72	0.00	53.79	214624.99	0.00	64256.44
10 KSRRB M600-2. Cement Concrete Pavement :- Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 25mm and down size graded granite metal coarse aggregate with superplastisizer at 3lts conforming to IS 9103- 1999 reaffirmed 2008, (Coarse and fine aggregate conforming to IS:383) mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. MORTH Specification No. 602. - with M30 @ 360 Kg/cum Cement, C.A, 0.69 cum F.A. 0.46 cum	Cum	69.90	6140.95	429252.41	53.79	53.79	6140.95	330349.33	0.00	6140.95	0.00	53.79	330349.33	0.00	98903.08
11 Vaccum de-watering with vaccum pump and suction mat and . compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.	Sqm	466.00	75.68	35266.88	358.63	358.63	75.68	27141.12	0.00	75.68	0.00	358.63	27141.12	0.00	8125.76
12 KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 Complete with all lead and lift and as per the direction of the Engineer-in-Charge.	Sqm	6527.00	5.56	36290.12	0.00	0.00	5.56	0.00	0.00	5.56	0.00	0.00	0.00	0.00	36290.12
13 KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications	Cum	513.20	2101.14	1078305.05	1592.08	641.50	2101.14	1347881.31	950.58	2101.14	1997301.14	1592.08	3345182.45	2266877.40	0.00
14 KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502 Complete with all lead and lift and as per the direction of the Engineer-in-Charge.	Sqm	3401.00	37.84	128693.84	7075.91	4251.25	37.84	160867.30	2824.66	37.84	106885.13	7075.91	267752.43	139058.59	0.00

ription of Work	Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Rem
		Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rate	Amount	Qty	Amount	Excess	Savings	
2	3	7	8	9	10	11	12	13	14	15	16	16	17	18	19	2
KSRB M500-11. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	171.90	6550.49	1126029.23	353.80	214.88	6550.49	1407536.54	138.92	6550.49	909997.35	353.80	2317533.89	1191504.66	0.00	
KSRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications	Sqm	6527.00	15.58	101690.66	7075.91	7075.91	15.58	110242.68	0.00	15.58	0.00	7075.91	110242.68	8552.02	0.00	
KSRB M500- 19. Providing, laying bituminousConcrete using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II(30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and filler , transporting the hot mix to work site , laying to the required grade,level and alignment, rolling with wheeled , vibratory and tandeem rollers to achieve the desired compaction as per MORTH Table-500.9 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.509 Complete with all lead and lift and as per the direction of the Engineer-in-Charge	Cum	261.10	8656.09	2260105.10	283.04	283.04	8656.09	2449988.55	0.00	8656.09	0.00	283.04	2449988.55	189883.45	0.00	
KSRB M500-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	283.00	477.43	135112.69	296.75	296.75	477.43	141677.35	0.00	477.43	0.00	296.75	141677.35	6564.66	0.00	
KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:8, stone hammerd dressed in course including cost of materials, labour, curing complete as per specifications	Cum	17.76	5001.35	88823.98	0.00	0.00	5001.35	0.00	0.00	5001.35	0.00	0.00	0.00	0.00	88823.98	
								24506324.69			3120524.49		27626849.18	3946187.73	4187174.18	
	EIRL			27867835.64												
E1	Providing & laying precast drain cover slab of 250 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer in Charge	Sqm							41.58	5688.36	236521.93	41.58	236521.93	236521.93		
	Sub Total												27863371.11	4182709.66	4187174.18	
	Miscellaneous & Rounding off												4465.00	4465.00		
	Total												27867836.11	4187174.66	4187174.18	
				27867835.64												

Contractor

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106
Asst Executive Engineer